

MSU Lake Charles Unit Fact Sheet



Waterways

450 Miles of Inland Waterways
90 Miles of Gulf Intracoastal Waterway MM 253.5 – MM 190.5
68 Miles of Calcasieu Ship Channel from Sea Buoy (Main Deep Draft Channel)
18 Bridges (8 Fixed, 6 Swing, 2 Pontoon, 2 Vertical Lift)
3 Fixed Security Zones (Lake Charles LNG, Cameron LNG, Axiall)

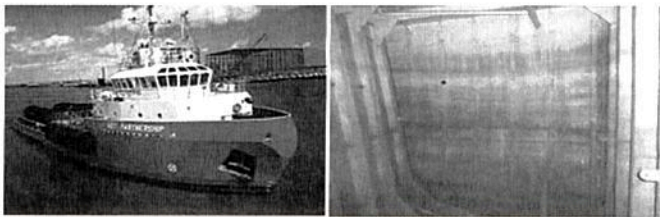
2015 Unit Facts, Stats, and Community Outreach

380 Domestic Vessel Inspections	190 Facility Inspections
234 Foreign Vessel Exams	177 National Response Center Notification
911 Foreign Vessel Arrivals	37 Oil Spills - 11,530 gallons of oil spill clean-up managed
45 Reportable Marine Casualties	Unit Budget - \$314,000
23 Broadcast Notice to Mariners	54 Members (46 Active, 3 Civilian, 5 Reserve)
Adopted 1 mile of beach in Cameron, Chennault House Vets, Habitat for Humanity, American Legion, Blood Drives	

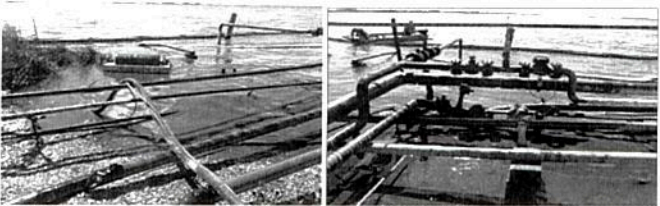
Port and General Area Stats

Total Product Moved - 56.6 million tons*	\$98.53 Billion in Energy Renaissance Investment
Imports - 22.1 million tons*	CITGO – 6 th Largest Refinery in U.S.
Exports - 8.9 million tons*	Axiall – 2 nd Largest Producer of Vinyl Chloride &
Coastwise – 25.6 million tons*	Largest Producer of Chlor-Alkali in U.S.
11 th Busiest Port In U.S. by Tonnage*	Channel authorized at 40 ft deep by 400 ft wide
*USACE, 2013 Waterway Data. 2013 latest year of available data	Cameron LA, is home of the rare pink dolphin

Significant Operational Events



On 18 March 2015 during an internal structural exam on AET PARTNERSHIP, inspectors discovered a buckled bulkhead in the #1 ballast tank. It was discovered that three sister vessels suffered similar damaged bulkheads. The investigation determined that the bulkheads were not built to the ABS approved drawings, and the ballast pump orifice was not reduced to prevent pump from exceeding 400 GPM as required by ABS plan review and the ballast tank vents were clogged. Repairs were made to all three vessels.



On 29 April 2015, an 8" flowline at TPIC Black Lake Battery #5 suffered at material failure leading to a discharge of 168 gallons of crude oil. OSRO responded using drum skimmers, a vacuum truck, and sorbents to recover the product. Line was shut-in and a temporary patch was affixed. Approximately 15' of line was cropped and renewed. Recovery ops spanned three days.



On 11 June 2015, a 24" transfer line at CITGO Clifton Ridge operating at approximately 200 psi suffered at material failure leading to a discharge of 4,200 gallons of crude oil. Multiple OSROs responded creating three under-flow dams and multiple collection points to prevent the product from entering Indian Marias, a small sensitive waterway leading to the Calcasieu River. LADEQ was consulted and approved CITGO's plan to cut down surrounding underbrush.



On 25 June 2015, an 8" flowline at Shoreline Energy suffered at material failure leading to a discharge of approximately 84 gallons of crude oil. The failure occurred in a remote marshy area adjacent to a canal. The line was shut in and a mechanical patch was applied. ES & H, the responding OSRO, utilized low-pressure/ambient temperature water to flush the product out of the marsh into a collection point where sorbents were deployed.

Significant Operational Events



On 2 November 2015, OSV CHRIS R allided with a production platform at West Cameron block 504. The allision resulted in significant damage to the bow of the vessel. Marine Inspectors surveyed extent of damage and determined vessel would need a permit to proceed before making way to MSU Houma's AOR to make permanent repairs, which totaled \$180,000.



On 8 October 2015, LA Registered crew boat, MISS DEBBIE, collided with a recreational fishing vessel. Three people were onboard the fishing vessel, resulting in one critically injured, one death. Case established new precedence between the CG and local authorities in determining dangerous transit practices in the wildlife refuge area. A need to clarify the MOU with Louisiana Wildlife and Fisheries was also identified. Marine casualty investigation case is ongoing.



On October 23, 2015, the T/B GONSOULIN 108 suffered an equipment failure of the handle on a check valve during transfer operations leading to the discharged of 420 gallons of crude oil into the Calcasieu River waterway. The discharge resulted in substantial harm to the environment surrounding the Clifton-Ridge facility; a notice of violation was issued to LeBeouf Brothers Towing, the owner of the T/B GONSOULIN 108.



Members of MSU Lake Charles participate in multiple community outreach activities including Avenue of Flags for Memorial Day & Veterans Day where the largest number of casket flags in the U.S are displaced each year at the Orange Grove Cemetery. Additionally, they participate in the Partnership in Education program with Brentwood Elementary School, volunteering to assist Ainsley's Angles, donating at multiple unit led blood drives, donating presents and establishing a clothing swap program for veterans at the Chennault Place group home.